EasyDiag User's Manual

Issued: 2013-11-11

Precautions on operating vehicle's ECU

- Do not disconnect the vehicle inner consume when the ignition switch is on, so as to avoid the sensors or the ECU damage.
- Do not place the magnetic object near the ECU in order to avoid the failure of the circuitry and components.
- Do cut off the power supply of ECU system before welding on the vehicle.
- Pay more attention to the ECU and the sensors when the operation is next to them.
- Ground yourself when you disassemble PROM, otherwise ECU and sensors will be damaged by static electricity.
- Do connect ECU harness connector firmly, otherwise electronic elements, such as IC inside ECU, will be damaged.

Precautions on operation

- The module is a precision electronic instrument. Observe caution when handing the device. Dropping the module can cause damage.
- The module is powered by 12v car battery voltage. Observe caution and do not use other voltage source to power the module.
- Turn off the ignition switch when connect or disconnect EasyDiag to the vehicle
- Do not keep EasyDiag Pin Connector plugged into your vehicle overnight, be sure to always remove connector once testing and/or diagnosis is complete. Failure to do so may result in drained or weakened battery.

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1. Overview

1.1 Product Introduction

EasyDiag, based on iOS/Android operation system design, research and development, is an internet vehicle trouble diagnosis tester designed specifically for automotive repair technicians, students and DIY users. After being connected with a mobile terminal through the internal Bluetooth, it achieves for x-431 serial product the full diagnostic functions, including Read DTCs(Diagnosis Trouble Code), Clear DTCs, Read Data Stream, Action Test and Special Functions，Meanwhile, through your intelligent mobile terminal, you can access internet to get your required information, or share and exchange information, etc.

1.2 Parameters

- Working voltage: 9~15V
- Working average current: about 35mA
- Static current: about 25mA
- Working temperature: -20 to 55℃(-4 to 131°F)
- Storage temperature: -30 to 70℃(-22 to 158°F)

- Storage humidity: <80%
- Working humidity: <60%
- Net weight: about 26g

1.3 Features

- Most of the electronic system of vehicle, including Europe, Asia, America models, can be detected;
- Applies to iOS and Android system, simple interface, elegant and easy to operate;
- Bluetooth communication;
- Online download diagnostic software (single vehicle model or combined software models). Many ways to pay, and many ways to combine, reduces your one-shot investment.
- Online share and communicate diagnostic technology with core of community concept and service.

1.4 Accessories

EasyDiag	
Password Envelope	

Auxiliary Connector(optional)	

2. Structure

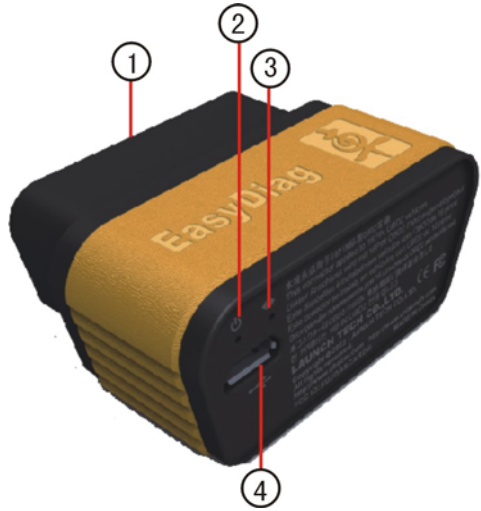


Fig2.2

①	OBD-16 diagnostic connector	To connect to vehicle's OBD2 diagnostic socket
②	Power indicator	It will light up once EasyDiag is plugged into OBD2 diagnostic socket.
③	Communication indicator	It will flash when EasyDiag is communicating with mobile terminal or EasyDiag is resetting.

④	Micro USB port	To connect on PC for data transmission or upgrade via USB cable

3. Connection and Installation

3.1 EasyDiag Connection

NOTE:

1. Remove connector once testing and/or diagnosis is complete;
2. Maybe it is difficult to plug or unplug connector in some vehicles because of the varied position of the DLC, but auxiliary connector can help you to avoid this problems.
3. Please turn off the ignition switch before connecting and then turn the key to the ON position after the EasyDiag has been plugged in.

Step1: Locate the vehicle's DLC socket, which is usually located under the dashboard, towards the driver's left knee area.
Step2: Plug the EasyDiag connector into DLC socket. The connector's power indicator will light up to signify communication and you will hear an audible beep.
(For the detailed DLC locations please refer to the Manufacturers published information).

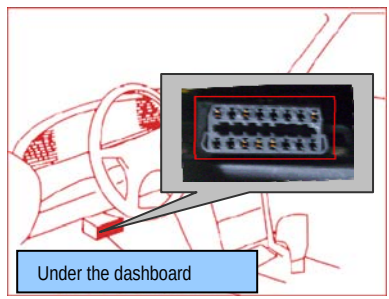


Fig3.2

3.2 Download and Install The EasyDiag App

The EasyDiag app is free to download in App Store

Step 1: Turn on your iOS device and open App Store .
Step 2: Search for EasyDiag in the search field.
Step 3: Once found, click on FREE then click on INSTALL APP.
Step 4: The iOS device will now ask for your Apple ID password, input when prompted and click on OK. This will begin your download.
Step 5: When download is complete, you may click the home button then select the new icon on your home screen called EasyDiag.

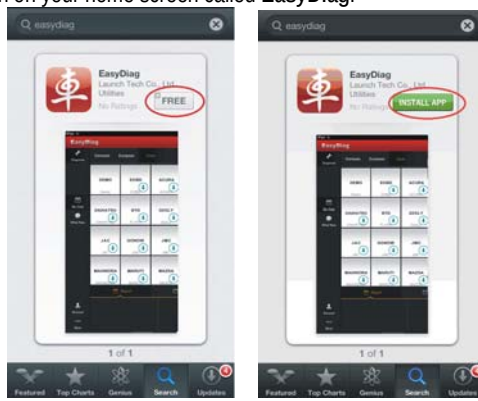


Fig3.3

3.3 Bluetooth Setting

Note：

1. Bluetooth setting operation should be done before operating;
2. The serial number of the connector can not be seen until the ignition switch is on.

First, turn on ignition switch, then, select Settings then select Bluetooth on your iOS home screen. Make sure the Bluetooth is in the ON position. Once on, the device will search for the connector. You will then see the serial number of your connector on the list below Devices. Click on the serial number of your

connector. This will then pair your cell phone or other iOS device with the EasyDiag connector.

Fig3.4

4. How to use

4.1 Initial Use

During the initial setup, you will see some illustrations that can guide you to understand some features of the EasyDiag by sliding the screen to left.

After then, the screen will pop up Disclaimer which contains some precautions and warnings about using, please read it carefully.

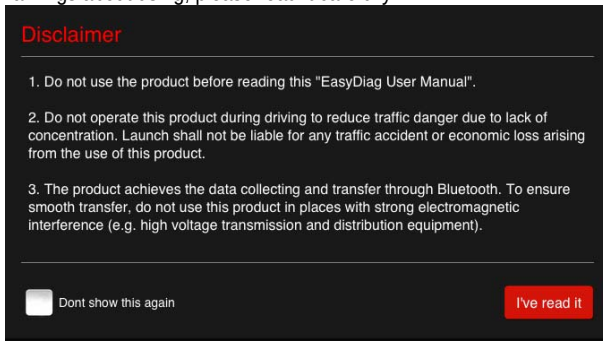

Disclaimer
1. Do not use the product before reading this "EasyDiag User Manual".
2. Do not operate this product during driving to reduce traffic danger due to lack of concentration. Launch shall not be liable for any traffic accident or economic loss arising from the use of this product.
3. The product achieves the data collecting and transfer through Bluetooth. To ensure smooth transfer, do not use this product in places with strong electromagnetic interference (e.g. high voltage transmission and distribution equipment).
Dont show this again
I've read it

Fig4.1

When reading is finished, click on I've read it to enter login interface, see Fig4.2.

Choose Don't show this again, the disclaimer will not appear next time.

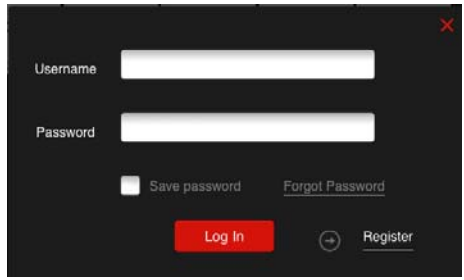


Fig4.2

For existing users, input your account to login.
For new users, click on Register to register. see Fig4.3.

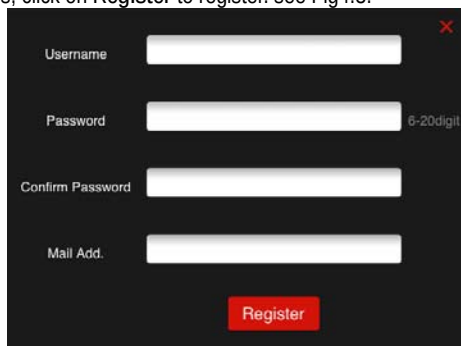
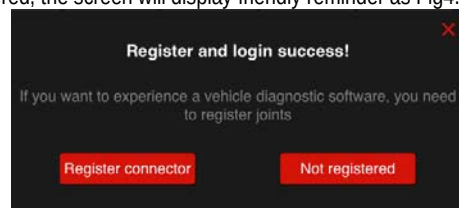


Fig4.3

Once registered, the screen will display friendly reminder as Fig4.4.


Register and login success!
If you want to experience a vehicle diagnostic software, you need to register joints
Register connector
Not registered

F4.4

If you have more than one connector, it is suggested to click on Register Connector, which also can be done in "4.2 Register Connector".

NOTE: When registration is successful, a confirmation letter will be sent

to your registered Email.

After login, you will see the screen below

Fig4.5

Click on Read to open Quick Start Guide.
Choose Don't show this again, the prompt will not appear next time.

The software initial interface, see Fig4.6.

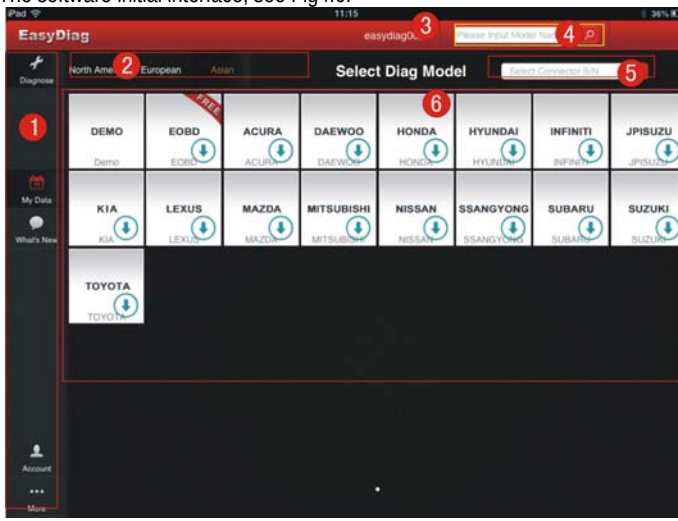


Fig4.6

1. : Function menu
2. : Origin selection
3. : User's name display area
4. : Search field
5. : SN selection field

6: Car brands area, the icon means the diagnostic software for this make has not been downloaded.

If you don't have a EasyDiag, you can click DEMO icon " " to get into the demo function interface, and experience the vehicle diagnosis function

If you have already got a EasyDiag, please continue the registration.

4.2 Register Connector

Each EasyDiag must be registered before using. You may do this by clicking on Account, then Register Connector.Fig4.7。

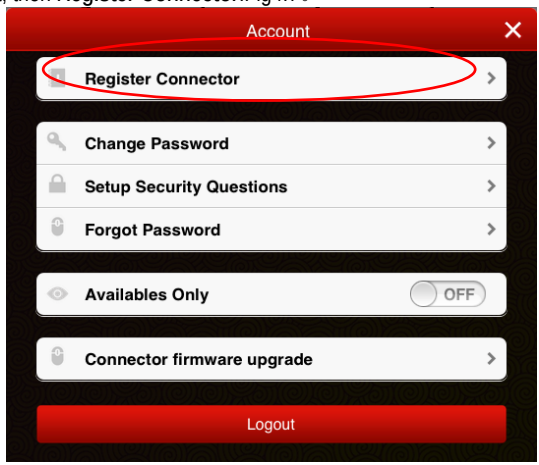


Fig4.7

You will then be prompted to enter the Serial Number and verification code, which can be found in the Password Envelope provided in your packaging. Once entered, click on Register.

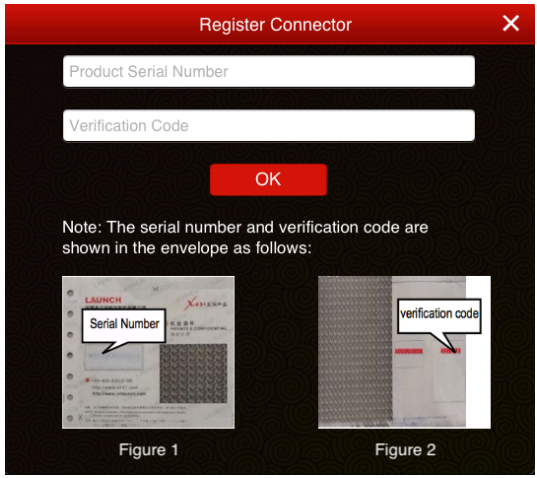


Fig4.8

4.3 Acquire the Diagnostic Software

Once the connector is registered successfully, you may then begin downloading your desired manufacturer specific software.

The icon means the diagnostic software has not been downloaded.
To purchase a manufacturer, select your Serial Number from drop-down field displayed below.

Fig4.9

Once selected, click on the manufacturer you would like to download.

Take ACURA as an example, click on ACURA, screen will display the software information such as total price, software version, etc, see Fig4.10.

Fig4.10

If only this software to be purchased, click on Add to cart.
Or click on Software Package to purchase software in packages or individually.

NOTE: Software package only supplies to individual regions.

After then, click on Create Order.

Fig4.11

Order list will be created, see Fig4.12

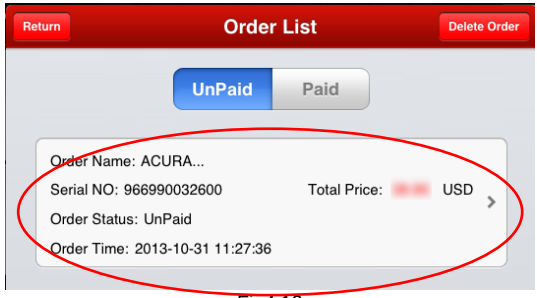


Fig4.12

After you click the space which marked in red circle in Fig4.12, it would provide some useful information as in the Fig4.13, such as diagnosis soft order name, order number, product serial number, total price, order status, and order time.Please comfire those information, and take a note about the order number which is the most important.

Fig4.13

PAYMENT: Right now, it only supports payment on our web site for iPad, but in iPone you can select pay with PayPal, like Fig4.14. After click button, the browser will automatic jump into LAUNCH user center login page.

Use the Login name and password, which you have registered before, which is same as EasyDiag app login account.

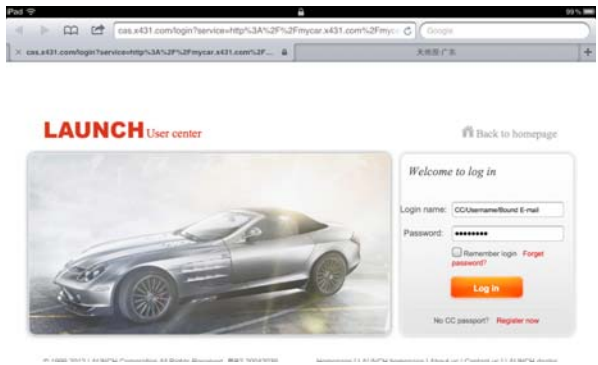


Fig4.14

After login successfully, the web page will include order information. Please confirm the order information, especially for the order number. See Fig4.16

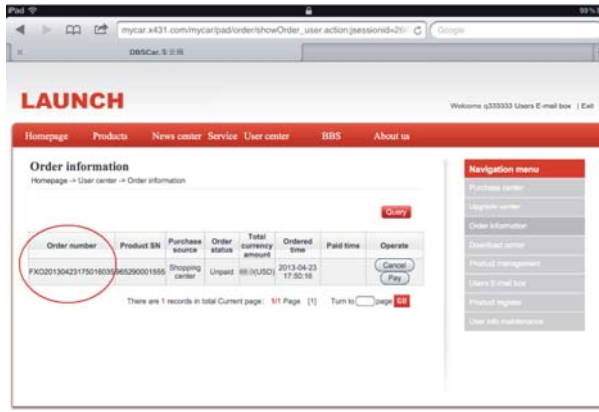


Fig4.15

Click on PAY, and conform purchasing the diagnosis software you ordered.

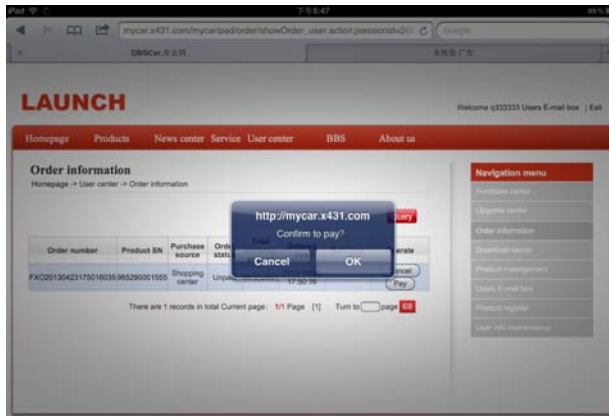


Fig4.16

In the Fig4.18, there are two options, one is called 支付宝， The other one is PayPal, which is use for USD. If you use USD to pay, Please select PayPal.

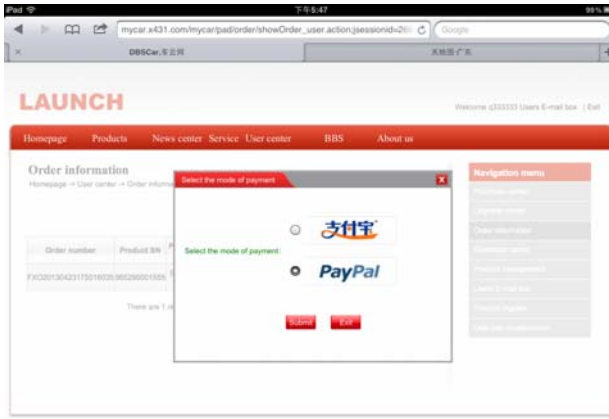


Fig4.17

You must have a PayPal account before you made the payment.

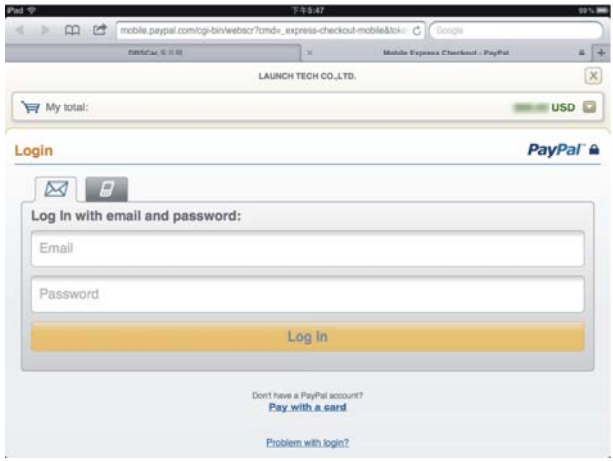


Fig4.18

In Fig4.18, login your PayPal account, which is your email address, and password, and click on Continue. See Fig4.19.

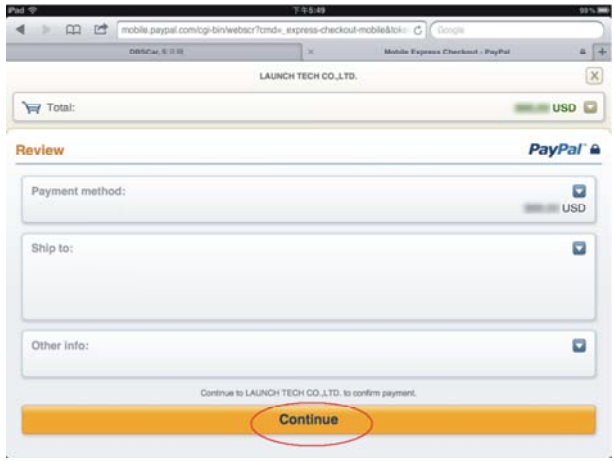


Fig4.19

Pay sucess, see Fig4.20.

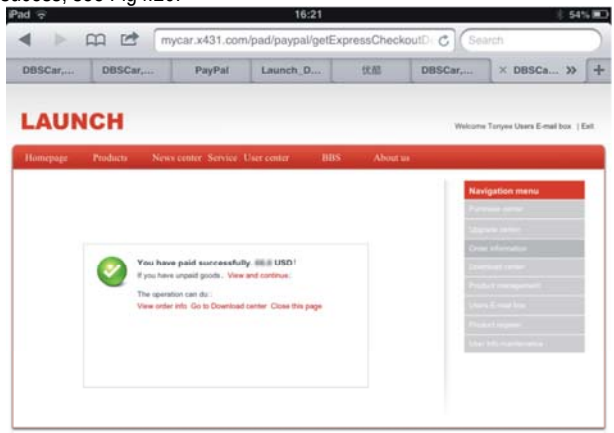


Fig4.20

DOWNLOAD: After made payment, please move back to EasyDiag app. And click the diagnosis software icon which have already paid. See Fig4.21

Fig 4.21

Take EOBD as an example, click on Check Download. See Fig4.22

Fig 4.22

Select EOBD, and start to download. See Fig4.23

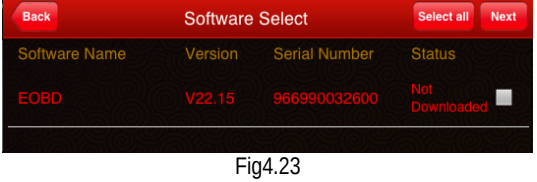


Fig4.23

Download until completed. See Fig4.24

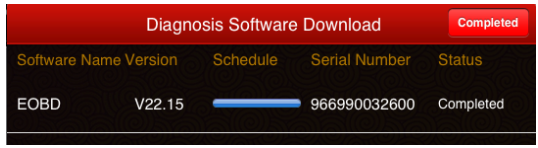


Fig4.24

When diagnosis software download is completed, the icon on the right bottom will disappear. See Fig4.25.

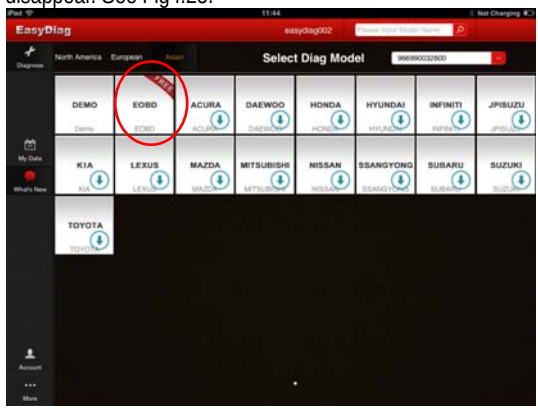


Fig4.25

4.5 My Data

In My Data you can see Diagnosis Reports, Operated History, Orders and Shopping Cart.

Fig4.26

Data stream Playback:

For playback of the video recorded during the performance of Read Data Stream. First, select the playback mode; then select the desired Data Stream final click on Display.

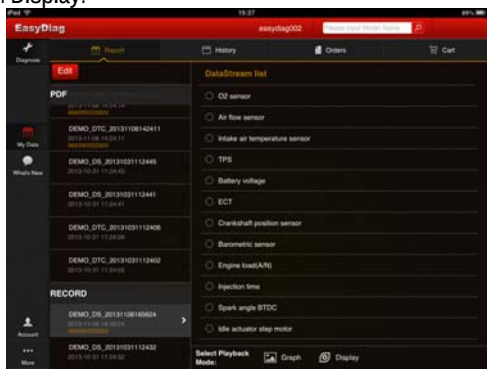


Fig4.27

If exist an unpaid order, you can also go into Cart to generate the order, and then complete the payment in Orders

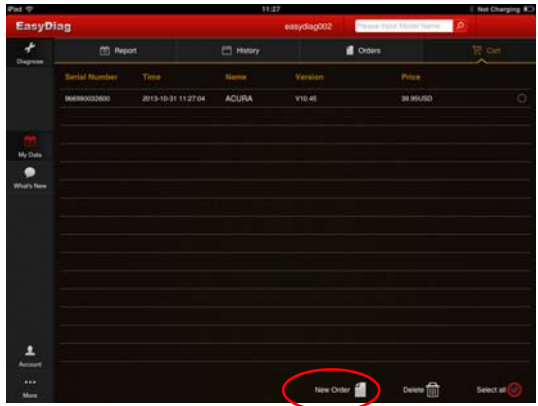


Fig4.28

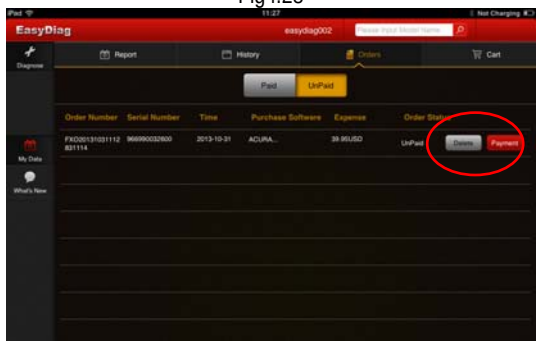


Fig4.29

4.6 What's New

Here you can see the latest news of our company, market, product and upgrade, etc.

NOTE: Marketing information can not be seen until the corresponding SN is selected.

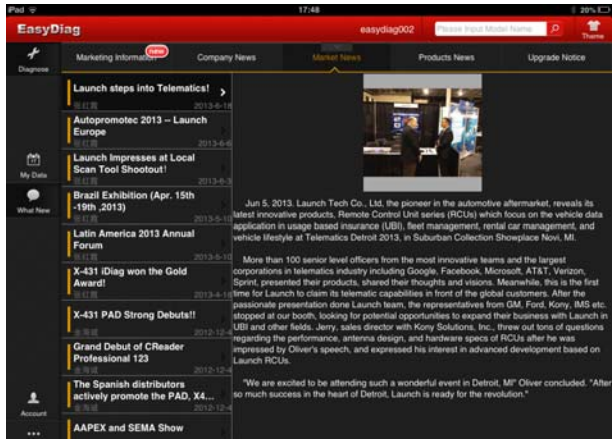

EasyDiag
easydiag002
Marketing Information
Company News
Market News
Products News
Upgrade Notice
Launch steps into Telematics!
Autopromotec 2013 -- Launch Europe
Launch Impresses at Local Scan Tool Shootout!
Brazil Exhibition (Apr. 15th -19th ,2013)
Latin America 2013 Annual Forum
X-431 iDiag won the Gold Award!
X-431 PAD Strong Debuts!!
Grand Debut of CReader Professional 123
The Spanish distributors actively promote the PAD, X4...
AAPEX and SEMA Show
Jun 5, 2013. Launch Tech Co., Ltd. the pioneer in the automotive aftermarket, reveals its latest innovative products, Remote Control Unit series (RCUs) which focus on the vehicle data application in usage based insurance (UBI), fleet management, rental car management, and vehicle lifestyle at Telematics Detroit 2013, in Suburban Collection Showplace Novi, MI.
More than 100 senior level officers from the most innovative teams and the largest corporations in telematics industry including Google, Facebook, Microsoft, AT&T, Verizon, Sprint, presented their products, shared their thoughts and visions. Meanwhile, this is the first time for Launch to claim its telematic capabilities in front of the global customers. After the passionate presentation done Launch team, the representatives from GM, Ford, Kony, IMS etc. stopped at our booth, looking for potential opportunities to expand their business with Launch in UBI and other fields. Jerry, sales director with Kony Solutions, Inc., threw out tons of questions regarding the performance, antenna design, and hardware specs of RCUs after he was impressed by Oliver's speech, and expressed his interest in advanced development based on Launch RCUs.
"We are excited to be attending such a wonderful event in Detroit, MI" Oliver concluded. "After so much success in the heart of Detroit, Launch is ready for the revolution."

Fig4.30

4.7 Account

For registration management, see Fig4.31

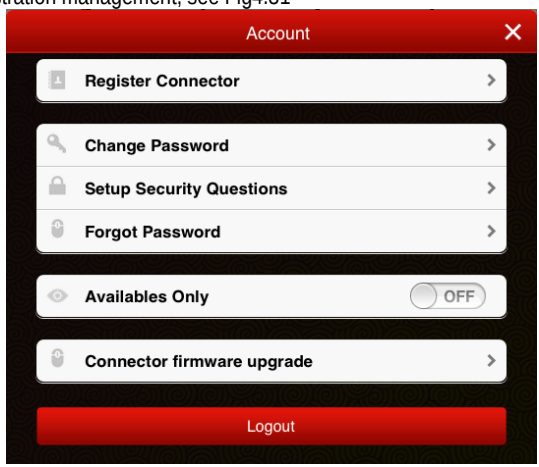


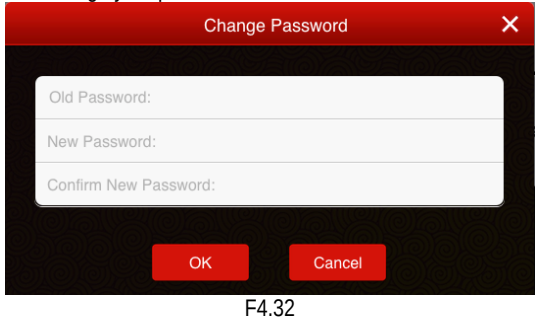
Fig4.31

4.7.1 Register Connector

See Fig4.2.

4.7.2 Change Password

Here you can change your password.



F4.32

4.7.3 Setup Security Questions

These questions would be used in the event you forget your password.

Fig4.32

4.7.4 Forgot Password

When you forgot your password, you can retrieve your password through verifying the security questions or through your registered mailbox.

4.7.5 Availables only

When the switch is set to ON, the initial interface will display the icon of the vehicle which had download diagnostic software.

4.7.6 Connector Firmware Upgrade

To download connector firmware file.

4.8 More

4.8.1 Quick Guide

You can view Quick Start Guide here.

4.8.2 User Manual

You can view User Manual here.

4.8.3 Purchase Instruction

You can view Purchase Instruction here. In this document you can get a help for using and purchasing software.

4.8.4 About

Show some information such as version NO. and website.

5. How to Diagnose

5.1 Preparation

Before diagnosis, please confirm the following word has completed
1. EasyDiag has registered, see 4.2;
2. Diagnostic software has downloaded. see 4.3；
3. EasyDiag has linked with vehicle, see 3.2；
4. EasyDiag has connected with your iOS device via Bluetooth. See 3.4;

5. The ignition switch is ON.

5.2 Diagnosis

First select the serial number, and then click one car brand to start diagnosis; here we take Demo as an example for explaining how to diagnose.
Click on Demo, the screen will prompt you whether is allowed to use your current location,

EasyDiag
easydiag002
Demo
Demo & Self-test V14.40
This software is used to demonstrate how to diagnose with X431 product family and perform IO test.
"EasyDiag" Would Like to Use Your Current Location
Don't Allow
OK

Fig5.1

The location will be used in the operated record if this request is agreed.
After then, the screen will display software version and its uses, see Fig5.2.

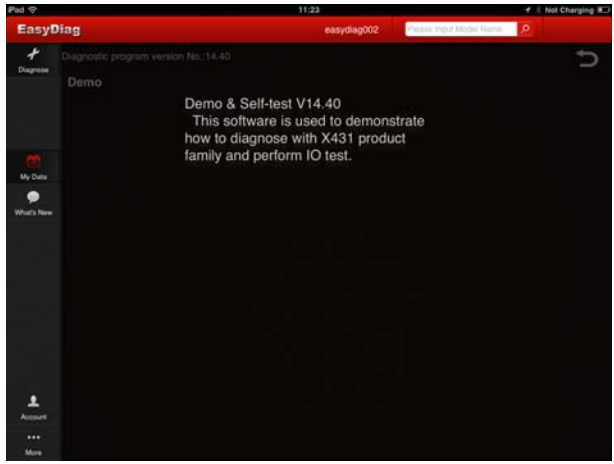


Fig5.2

Click on **Demo**, the screen will display system selection interface, see Fig5.3.

Click to to quit Demo.

Select the version to proceed.

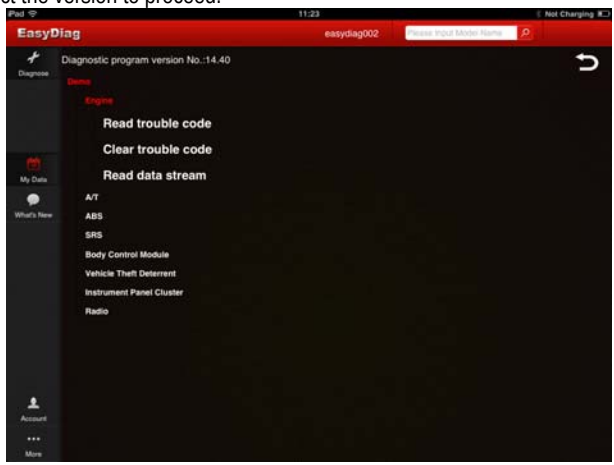


Fig5.3

Take **Engine** system as an example.

Click on Engine, when the system initialize is completed, the screen will display diagnostic function selection interface, see Fig5.4.
Diagnostic function contains Read Trouble Code, Clear Trouble Code and Read Data Stream.

A. Read Trouble Code

Click on Read Trouble Code, the screen will display diagnostic results, see Fig5.4

Click on to return to function selection interface.

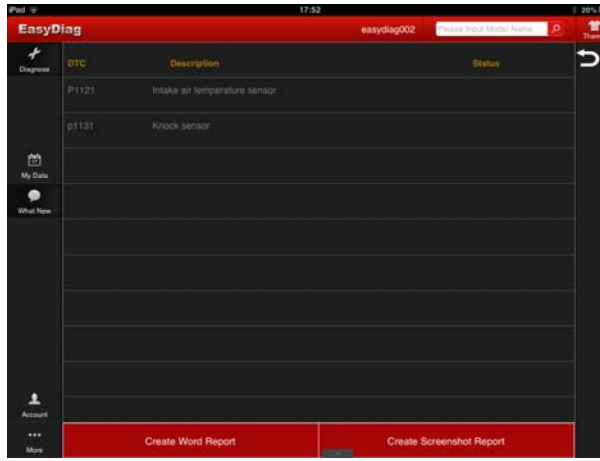


Fig5.4

Generate Word Report: Save the current diagnostic results in text form to My Data.
Generate Screenshot Report: Save the current diagnostic results in screenshot form to My Data.

B. Clear Trouble Code

Click on Clear Trouble Code, the system will automatically delete the Current exist trouble code. See Fig5.5.

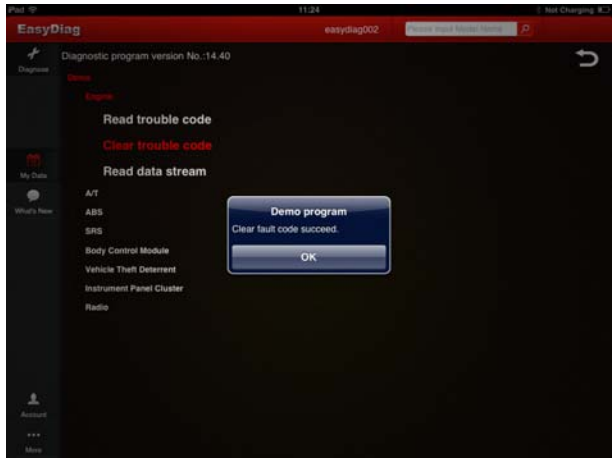


Fig5.5

Note: the trouble code would not disappear until the trouble was ruled out.

C. Read Data Stream

Click on Read Data Stream, the screen will display DataStream item, see Fig5.6; click the circle before the item you desired then click on OK, If you want to select all, Click on .

Click to to return to the previous interface.

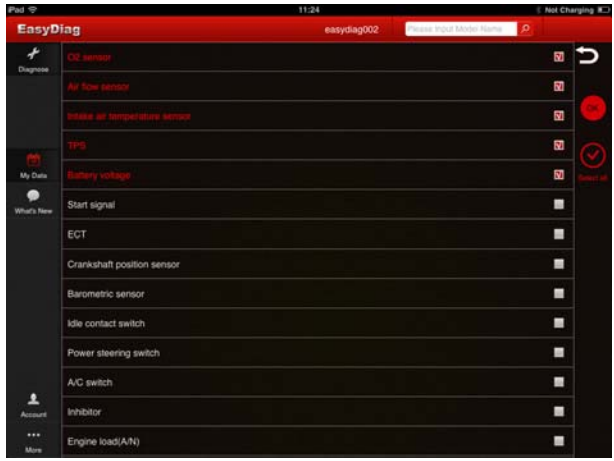


Fig5.7

When communication is completed, the system will display real-time data of the selected item, see Fig5.8

Fig5.8

: Pause

: Play

: Return the main interface.

Start Record: The system will record the real-time data, this will generates a video;

Create Word Reports: Save the current time data in text form;

Create Screenshot Reports: Save the current time data in screenshot form;

Data Stream: Display max 4 waveforms in graphic form simultaneously. See Fig5.9.

Fig5.9

Click on the see the other form, see Fig5.10

iPad
11:25
Not Charging
EasyDiag
easydiag002
Please Input Model Name
Diagnose
My Data
What's New
Account
More
TPS
200
210
220

Fig5.10

Warranty

THIS WARRANTY IS EXPRESSLY LIMITED TO PERSONS WHO PURCHASE LAUNCH PRODUCTS FOR PURPOSES OF RESALE OR USE IN THE ORDINARY COURSE OF THE BUYER'S BUSINESS.

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This warranty does not cover any part that has been abused, altered, used for a purpose other than for which it was intended, or used in a manner inconsistent with instructions regarding use.

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Order Information

Replaceable and optional parts can be ordered directly from your LAUNCH authorized tool supplier. Your order should include the following information:

1. Quantity
2. Part number
3. Item description

Customer Service

If you have any questions on the operation of the unit, please contact us:

DBScar@cnlaunch.com

If your unit requires repair service, return it to the manufacturer with a copy of the sales receipt and a note describing the problem. If the unit is determined to be in warranty, it will be repaired or replaced at no charge. If the unit is determined to be out of warranty, it will be repaired for a nominal service charge plus return freight. Send the unit pre-paid to:

Attn: Customer Service Department
LAUNCH TECH. CO., LTD.
Launch Industrial Park,

North of Wuhe Avenue,
Banxuegang, Bantian,
Longgang, Shenzhen, Guangdong
P.R.China, 518129

Launch website: http://www.cnlaunch.com
Car cloud website: http:www.x431.com

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